

Thermal Performance

Material Property	Material State	Data Expected Jan 2014
Thermal conductivity (W/m °C)	Virgin Intumesced Charred	To be supplied
Specific heat capacity (J/kg °C)	Virgin Intumesced Charred	To be supplied
Original thickness (mm)	-	To be supplied
Density (kg/m ³)	Virgin	To be supplied
Heat of decomposition (J/kg)	'Melting' Intumesced Charred	To be supplied
γ_k		
zk (s ⁻¹)	'Melting' Intumesced Charred	To be supplied
Activation Energy E _{ak} (kJ/mol)	'Melting' Intumesced Charred	To be supplied

Citations

Feih, S., Manantpon, K., Mathys, Z., Gibson, A.G. and Mouritz, A.P.,
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Mouritz, A.P., Feih, S., Kandare, E. and Gibson, A.G.,
'Thermal-mechanical modelling of laminates with fire protection coating',
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